In the Claims

1. (Currently amended) An apparatus for relaying information in a network environment, comprising:

a gateway general packet radio service (GPRS) support node (GGSN) operable to establish primary and secondary packet data protocol (PDP) links on behalf of an end user, wherein the GGSN is operable to communicate traffic pattern information associated with the primary and secondary PDP links to a client services packet gateway (CSPG), the traffic pattern information providing data associated with how traffic flows propagating via each of the primary and secondary PDP links are to be treated in a network, ~~wherein a table is included within the CSPG that is operable to store the traffic pattern information such that it may be referenced by the CSPG to provide two different quality of service levels for the primary and secondary PDP links such that differentiated billing occurs based on the different quality of service levels,~~ the traffic pattern information specifying a first quality of service level for the primary PDP link and a different second quality of service level for the secondary PDP link, ~~whereby~~ wherein the GGSN ~~relays~~ is operable to relay the traffic pattern information associated with the primary and secondary PDP links through ~~its~~ one or more control path interfaces of the GGSN to ~~interested gateways~~ the CSPG by adding the traffic pattern information into traffic flows communicated through the one or more control path interfaces of the GGSN to the CSPG, the CSPG being external to the GGSN, the traffic pattern information allowing the CSPG to provide an associated service according to an appropriate quality of service level as determined from the traffic pattern information.

2. (Cancelled)

3. (Original) The apparatus of Claim 1, wherein the traffic pattern information is provided in a selected one of a group of protocols that consists of:

a) a RADIUS protocol;
b) a TACACS protocol;
c) a GTP' protocol; and
d) a DIAMETER protocol.

4. (Original) The apparatus of Claim 1, wherein the CSPG is operable to provide one or more services to the end user, the services being selected from a group of services consisting of:

a) accounting;
b) firewalling;
c) filtering;
d) wireless application protocol transformations;
e) compression;
f) optimization;
g) billing; and
h) content authorization.

5. (Original) The apparatus of Claim 1, wherein the traffic pattern information includes information relating to a selected one or more elements consisting of:

a) a source IP address;
b) a destination IP address;
c) a source port;
d) a destination port;
e) a service profile associated with the end user;
f) a quality of service parameter;
g) an IP address associated with the end user;
h) a protocol type;
i) a service policy associated with the end user;
j) data related to the primary PDP link; and
k) data related to the secondary PDP link.

6. (Currently amended) An apparatus for receiving information in a network environment, comprising:

a client services packet gateway (CSPG) operable to receive traffic pattern information from a gateway general packet radio service (GPRS) support node (GGSN), the GGSN being operable to establish primary and secondary packet data protocol (PDP) links on behalf of an end user, wherein the traffic pattern information is associated with the primary and secondary PDP links and provides data associated with how traffic flows propagating via each of the primary and secondary PDP links are to be treated in a network, ~~wherein a table is included within the CSPG that is operable to store the traffic pattern information such that it may be referenced by the CSPG to provide two different quality of service levels for the primary and secondary PDP links such that differentiated billing occurs based on the different quality of service levels,~~ the traffic pattern information specifying a first quality of service level for the primary PDP link and a different second quality of service level for the secondary PDP link, ~~whereby~~ wherein the GGSN ~~relays~~ is operable to relay the traffic pattern information associated with the primary and secondary PDP links through ~~its~~ one or more control path interfaces of the GGSN to ~~interested gateways~~ the CSPG by adding the traffic pattern information into traffic flows communicated through the one or more control path interfaces of the GGSN to the CSPG, the CSPG being external to the GGSN, the traffic pattern information allowing the CSPG to provide an associated service according to an appropriate quality of service level as determined from the traffic pattern information.

7. (Cancelled)

8. (Original) The apparatus of Claim 6, wherein the traffic pattern information is provided in a selected one of a group of protocols that consists of:

a) a RADIUS protocol;
b) a TACACS protocol;
c) a GTP' protocol; and
d) a DIAMETER protocol.

9. (Original) The apparatus of Claim 6, wherein the CSPG is operable to provide one or more services to the end user, the services being selected from a group of services consisting of:

a) accounting;
b) firewalling;
c) filtering;
d) wireless application protocol transformations;
e) compression;
f) optimization;
g) billing; and
h) content authorization.

10. (Original) The apparatus of Claim 6, wherein the traffic pattern information includes information relating to a selected one or more elements consisting of:

a) a source IP address;
b) a destination IP address;
c) a source port;
d) a destination port;
e) a service profile associated with the end user;
f) a quality of service parameter;
g) an IP address associated with the end user;
h) a protocol type;
i) a service policy associated with the end user;
j) data related to the primary PDP link; and
k) data related to the secondary PDP link.

11. (Currently amended) A method for relaying information in a network environment, comprising:

establishing primary and secondary packet data protocol (PDP) links on behalf of an end user; and

communicating traffic pattern information associated with the primary and secondary PDP links to a client services packet gateway (CSPG), the traffic pattern information providing data associated with how traffic flows propagating via each of the primary and secondary PDP links are to be treated in a network, ~~wherein a table is included within the CSPG that is operable to store the traffic pattern information such that it may be referenced by the CSPG to provide two different quality of service levels for the primary and secondary PDP links such that differentiated billing occurs based on the different quality of service levels,~~ the traffic pattern information specifying a first quality of service level for the primary PDP link and a different second quality of service level for the secondary PDP link, ~~whereby~~ wherein the GGSN ~~relays~~ is operable to relay the traffic pattern information associated with the primary and secondary PDP links through ~~its~~ one or more control path interfaces of the GGSN to ~~interested gateways~~ the CSPG by adding the traffic pattern information into traffic flows communicated through the one or more control path interfaces of the GGSN to the CSPG, the CSPG being external to the GGSN, the traffic pattern information allowing the CSPG to provide an associated service according to an appropriate quality of service level as determined from the traffic pattern information.

12. (Cancelled)

13. (Original) The method of Claim 11, further comprising:

leveraging a communications protocol in order to deliver the traffic pattern information, wherein the traffic pattern information is provided in a selected one of a group of protocols that consists of:

a) a RADIUS protocol;
b) a TACACS protocol;
c) a GTP' protocol; and
d) a DIAMETER protocol.

14. (Currently amended) A system for relaying information in a network environment, comprising:

means for establishing primary and secondary packet data protocol (PDP) links on behalf of an end user; and

means for communicating traffic pattern information associated with the primary and secondary PDP, the traffic pattern information providing data associated with how traffic flows propagating via each of the primary and secondary PDP links are to be treated in a network, ~~wherein a table is provided that is operable to store the traffic pattern information such that it may be referenced to provide two different quality of service levels for the primary and secondary PDP links such that differentiated billing occurs based on the different quality of service levels,~~ the traffic pattern information specifying a first quality of service level for the primary PDP link and a different second quality of service level for the secondary PDP link, ~~whereby~~ wherein the GGSN ~~relays~~ is operable to relay the traffic pattern information associated with the primary and secondary PDP links through ~~its~~ one or more control path interfaces of the GGSN to ~~interested gateways~~ the CSPG by adding the traffic pattern information into traffic flows communicated through the one or more control path interfaces of the GGSN to the CSPG, the CSPG being external to the GGSN, the traffic pattern information allowing the CSPG to provide an associated service according to an appropriate quality of service level as determined from the traffic pattern information.

15. (Cancelled)

16. (Original) The system of Claim 14, further comprising:

means for leveraging a communications protocol in order to deliver the traffic pattern information.

17. (Original) The system of Claim 14, further comprising:

means for receiving the traffic pattern information and providing a service based on the traffic pattern information received.

18. (Currently amended) Software for relaying information in a network environment, the software comprising computer code embodied on a computer readable medium and such that when executed is operable to:

establish primary and secondary packet data protocol (PDP) links on behalf of an end user; and

communicate traffic pattern information associated with the primary and secondary PDP, the traffic pattern information providing data associated with how traffic flows propagating via each of the primary and secondary PDP links are to be treated in a network, ~~wherein a table is provided that is operable to store the traffic pattern information such that it may be referenced to provide two different quality of service levels for the primary and secondary PDP links such that differentiated billing occurs based on the different quality of service levels,~~ the traffic pattern information specifying a first quality of service level for the primary PDP link and a different second quality of service level for the secondary PDP link, ~~whereby~~ wherein the GGSN ~~relays~~ is operable to relay the traffic pattern information associated with the primary and secondary PDP links through ~~its~~ one or more control path interfaces of the GGSN to ~~interested gateways~~ the CSPG by adding the traffic pattern information into traffic flows communicated through the one or more control path interfaces of the GGSN to the CSPG, the CSPG being external to the GGSN, the traffic pattern information allowing the CSPG to provide an associated service according to an appropriate quality of service level as determined from the traffic pattern information.

19. (Cancelled)

20. (Currently amended) The ~~medium~~ software of Claim 18, wherein the code if further operable to:

leverage a communications protocol in order to deliver the traffic pattern information.

21. (Currently amended) The ~~medium~~ software of Claim 18, wherein the code if further operable to:

receive the traffic pattern information and providing a service based on the traffic pattern information received.

22. (New) The apparatus of Claim 1, further comprising a table included within the CSPG that is operable to store the traffic pattern information such that it may be referenced by the CSPG to provide a selected quality of service for a selected one of the primary and secondary PDP links.

23. (New) The apparatus of Claim 6, further comprising a table included within the CSPG that is operable to store the traffic pattern information such that it may be referenced by the CSPG to provide a selected quality of service for a selected one of the primary and secondary PDP links.

24. (New) The method of Claim 11, further comprising:

providing a table within the CSPG; and

storing the traffic pattern information such that it may be referenced by the CSPG to provide a selected quality of service for a selected one of the primary and secondary PDP links.

25. (New) The system of Claim 14, further comprising means for storing the traffic pattern information such that it may be referenced by the CSPG to provide a selected quality of service for a selected one of the primary and secondary PDP links.

26. (New) The software of Claim 18, further operable to store the traffic pattern information such that it may be referenced by the CSPG to provide a selected quality of service for a selected one of the primary and secondary PDP links.